



3009 PCT/PTO

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ALLIA 143C1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Zaghouani )  
Serial No. : 09/623,728 )  
Filed : September 5, 2000 )  
For : Compounds, Compositions, and )  
Methods for the Endocytic )  
Presentation of Immunosuppressive )  
Factors )  
Examiner : Unknown )  
Group Art Unit : Unknown )

I hereby certify that this correspondence  
and all marked attachments are being  
deposited with the United States Postal  
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addressed to: Assistant Commissioner of  
Patents and Trademarks, Washington,  
D.C. 20231, on

March 4, 2001  
Diane Trus  
Diane Trus

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Enclosed is form PTO-1449 listing references for the above listed patent application. This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97 (b) (3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17 (p) to Deposit Account 01-1008.

All of the listed references were cited or submitted in prior applications: U.S. Serial No. 09/111,123, filed July 6, 1998; and U.S. Serial No. 08/779,767, filed January 7, 1997 on which the

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present application relies on for an earlier filing date under 35 U.S.C. § 120. Therefore, in accordance with 37 C.F.R. § 1.98 (d), copies of these references are not submitted.

If there are any questions concerning this Information Disclosure Statement, please call the undersigned at the number stated below.

Respectfully submitted,

Dated: 3/9/2001

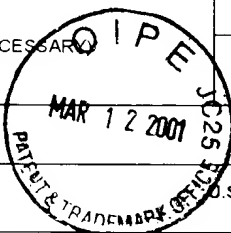
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO  
ALLIA.143C1APPLICATION NO  
09/623,728INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
Habib ZaghouaniFILING DATE  
September 5, 2000GROUP  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,612,035	03/18/97	Howell, et al.			
	5,474,771	12/12/95	Lederman, et			
	5,508,386	4/96	Zanetti et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 96/16086	05/08/96	PCT				
	WO 94/14847	07/07/94	PCT				
	WO 96/34622	11/07/96	PCT				
	WO 95/29814	09/08/95	PCT				
	WO 93/10220	05/27/93	PCT				
	90/02017	7/91	GB				

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
A	Ashton-Rickardt, et al., "Evidence for a Differential Avidity Model of T-Cell Selection in the Thymus" <del>Cell 76:651-663 (1994)</del>
B	Brocke, et al., "Treatment of Experimental Encephalomyelitis with a Peptide Analogue of Myelin Basic Protein" <del>Nature 379:343-346 (1996)</del>
C	Chou, et al., "Frequency of T cells Specific for Myelin Basic Protein and Myelin Proteolipid Protein in Blood and Cerebrospinal Fluid in Multiple Sclerosis" <del>J. of Neuroimmunology 38:105-114 (1992)</del>
D	Cibotti, et al., "Tolerance to a Self-Protein Involves Its Immunodominant But Does Not Involve Its Subdominant Determinants" <del>Proc. Natl. Acad. Sci. USA 89:416-420 (1992)</del>
E	De Magistris, et al., "Antigen Analog-Major Histocompatibility Complexes Act as Antagonists of the T Cell Receptor" <del>Cell 68:625-634 (1992)</del>

EXAMINER

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\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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## PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	<del>WO 94/28027</del>	<del>12/8/94</del>	<del>PCT</del>				
	<del>WO 94/40332</del>	<del>5/11/94</del>	<del>PCT</del>				
	<del>WO 93/06135</del>	<del>4/1/93</del>	<del>PCT</del>				
	<del>WO 92/05793</del>	<del>4/16/92</del>	<del>PCT</del>				
	<del>EP 0 629 703</del>	<del>12/21/94</del>	<del>Europe</del>				

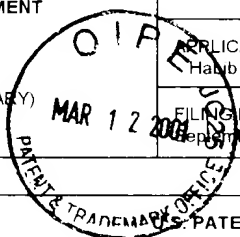
EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	F	Evavold, et al., "Tickling the TCR: Selective T-Cell Functions Stimulated by Altered Peptide Ligands" <b>Immunology Today</b> <b>14(12):602-609</b> (1993)
	G	Evavold, et al., "Separation of IL-4 Production From The Cell Proliferation by an Altered T-Cell Receptor Ligand" <b>Science</b> <b>252:1308-1310</b> (1991)
	H	Feldmann, et al., "Rheumatoid Arthritis" <b>Cell</b> <b>85:307-310</b> (1996)
	I	Hsu, et al., "Modulation of T-Cell Development by an Endogenous Altered Peptide Ligand" <b>J. Exp. Med.</b> <b>181:805-810</b> (1995)
	J	Jameson, et al., "Clone-Specific T-Cell Receptor Antagonists of Major Histocompatibility Complex Class I-Restricted Cytotoxic T Cells" <b>J. Exp. Med.</b> <b>177:1541-1550</b> (1993)

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FORM PTO-1449

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							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
K	Jameson et al., "Positive Selection of Thymocytes" <i>Annu. Rev. Immunol.</i> <b>13:93-126</b> (1995)	
L	Klassen, et al., "Blood Flow and Tissue Space of the Left Coronary Artery in Man" <i>Circulation Res.</i> <b>27:185-195</b> (1970)	
M	Kuchroo, et al., "Experimental Allergic Encephalomyelitis Mediated by Cloned T-Cells Specific for a Synthetic Peptide of Myelin Proteolipid Protein" <i>J. of Immunology</i> <b>148(12):3776-3782</b> (1992)	
N	Kuchroo, et al., "A Single TCR Antagonist Peptide Inhibits Experimental Allergic Encephalomyelitis Mediated by a Diverse T Cell Repertoire" <i>J. of Immunology</i> <b>153:3326-3336</b> (1994)	
O	Liu, et al., "Low Avidity Recognition of Self-Antigen by T Cells Permits Escape from Central Tolerance" <i>Immunity</i> <b>3:407-416</b> (1995)	

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## FOREIGN PATENT DOCUMENTS

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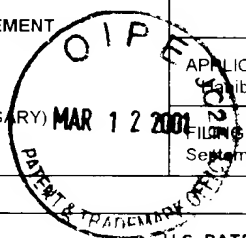
## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
P	Mamula, Mark J., "The Inability to Process a Self-Peptide Allows Autoreactive T Cells to Escape Tolerance" <i>J. Exp. Med.</i> 177:567-571 (1992)
Q	Martin, et al., "Immunological Aspects of Demyelinating Diseases" <i>Annu. Rev. Immunol.</i> 10:153-187 (1992)
R	McRae, et al., "Functional Evidence for Epitope Spreading on the Relapsing Pathology of Experimental Autoimmune Encephalomyelitis" <i>J. Exp. Med.</i> 182:75-85 (1995)
S	Sebzda, et al., "Positive and Negative Thymocyte Selection Induced by Different Concentrations of a Single Peptide" <i>Science</i> 263:1615-1618 (1994)
T	Sercarz, et al., "Dominance and Crypticity of T-Cell Antigenic Determinants" <i>Annu. Rev. Immunol.</i> 11:729-766 (1993)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Sabb Zaghouni	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE September 5, 2000	GROUP Unknown



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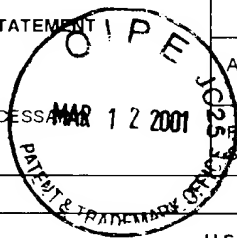
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	U	Steinman, Lawrence, "Multiple Sclerosis: A Coordinated Immunological Attack Against Myelin in the Central Nervous System" <del>Cell 85:299-302 (1996)</del>
	V	Fisch, et al., "Insulin-Dependent Diabetes Mellitus" <del>Cell 85:291-297 (1996)</del>
	W	Tucky, et al., "Identification of an Encephalitogenic Determinant of Myelin Proteolipid Protein for S.J.L. Mice" <del>J. of Immunology 142(5):1523-1527 (1989)</del>
	X	Windhagen, et al., "Modulation of Cytokine Patterns of Human Autoreactive T-Cell Clones By a Single Amino Acid Substitution of Their Peptide Ligand" <del>Immunity 2:373-380 (1995)</del>

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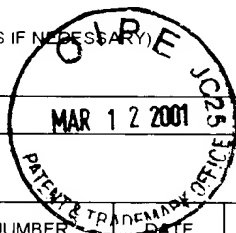
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Y	<del>Wucherpfennig, et al., "Molecular Mimicry in T-Cell-Mediated Autoimmunity: Viral Peptides Activate Human T-Cell Clones Specific for Myelin Basic Protein" <i>Cell</i> 80:695-706 (1995)</del>
Z	<del>Zhang et al., "Increased Frequency of Interleukin 2-Responsive T Cells Specific for Myelin Basic Protein and Proteolipid Protein in Peripheral Blood and Cerebrospinal Fluid of Patients with Multiple Sclerosis" <i>J. Exp. Med.</i> 179:973-984 (1994)</del>
AA	<del>Rudikoff et al., "Single Amino Acid Substitution Altering Antigen-Binding Specificity" <i>Proc. Natl. Acad. Sci. USA</i> 79:1979-1983 (1982)</del>
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CC	<del>Livingstone, et al., "The Structure of T-Cell Epitopes" <i>Ann. Rev. Immuno.</i> 5:477-501 (1987)</del>

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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
DD	Hurtenbach, et al., "Prevention of Autoimmune Diabetes in Non-Obese Diabetic Mice by Treatment with a Class II Major Histocompatibility Complex-blocking Peptide" J. Exp. Med. 177:1499-1504 (1993)	
EE	Bona, et al., "Immunogenicity of Microbial Peptides Grafted in Self Immunoglobulin Molecules" Cellular and Molecular Biology 40(Suppl. 1):24-30 (1994)	
FF	Legge, et al., "Presentation of a T Cell Receptor Antagonist Peptide by Immunoglobulins Ablates Activation of T Cells by a Synthetic Peptide or Protein Requiring Endocytic Processing" J. Exp. Med. 185(6):1043-1053 (1997)	
GG	Min, et al., "Modulation In Vivo of Autoreactive T Cells by a TCR Antagonist Ig Chimera" J. of Allergy & Clinical Immun. 99(1):738 (1997)	
HH	Liu, G. et al., "FcγRII-targeted fusion proteins result in efficient presentation by human monocytes of antigenic and antagonist T cell epitopes" J. Clin. Invest. 98(9):2001-2007 (1996)	
II	Min, B. et al., "Neonatal exposure to a self-peptide-immunoglobulin chimera circumvents the use of adjuvant and confers resistance to autoimmune disease by a novel mechanism involving interleukin 4 lymph node deviation and interferon γ-mediated splenic anergy" J. Exp. Med. 188(11):2007-2017 (1998)	
JJ	(03/08/00) PCT International Search Report in 6 pages. Courtesy Copy.	
KK	Liu et al. "Affinity for class II MHC determines the extent to which soluble peptides tolerate autoreactive T cells in naive and primed adult mice. Implications for autoimmunity" Int. Imm. 7(8):1255-1263 (1995)	
LL	Karpus et al. "Inhibition of Relapsing Experimental Autoimmune Encephalomyelitis in SJL Mice by Feeding the Immunodominant PLP139-164 Peptide" J. Neurosci. Res. 45: 410-423 (1996)	
MM	Karin et al. "Reversal of Experimental Autoimmune Encephalomyelitis by a Soluble Peptide Variant of a Myeline Basic Protein Epitope: T Cell Receptor Antagonism and Reduction of Interferon γ and Tumor Necrosis Factor α Production" J. Exp. Med. 180:2227- 2237 (1994)	

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